

ELECTROSTATIC DISCHARGE PROTECTIVE CIRCUITRY EQUIPPED WITH A COMMON DISCHARGE LINE

ABSTRACT OF THE INVENTION

A semiconductor device having an electrostatic discharge
5 protective circuitry adapted to a common discharge line (CDL) is
disclosed. In the embodiments of the present invention, semiconductor
device includes a plurality of bonding pads, each having at least one
connecting terminal, a common discharge line, and a protective device
connected between the connecting terminal and the common
10 discharge line. Moreover, the protective device composes of a silicon-
control-rectifier that is used for electrostatic discharge protection and a
zener diode for lowering a trigger voltage of the silicon-control-rectifier.

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